



SEQUENCE LISTING

<110> ROTH, RICHARD B.
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<120> METHODS FOR IDENTIFYING RISK OF BREAST CANCER AND TREATMENTS
THEREOF

<130> SEQ-4068-UT

<140> US 10/723,518

<141> 2003-11-25

<150> US 60/429,136

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<151> 2003-09-18

<160> 235

<170> PatentIn version 3.2

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Ile Trp Leu Ala Ala His Trp Asp Lys Lys Leu Thr Lys Ala His Val
          20             25             30

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Phe Glu Cys Asn Leu Glu Ser Ser Val Glu Ser Ile Ile Ser Pro Lys
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cga atc tat cac agg aaa gcc aaa tac ctt ctt gca gac tgt aat gaa	240
Arg Ile Tyr His Arg Lys Ala Lys Tyr Leu Leu Ala Asp Cys Asn Glu	
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gca ttc att aag ata aag atg gct ttt cgg cca ggt gtg gtt gac ctg	288
Ala Phe Ile Lys Ile Lys Met Ala Phe Arg Pro Gly Val Val Asp Leu	
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Pro Glu Glu Asn Arg Glu Ala Ala Tyr Asn Ala Ile Thr Leu Pro Glu	
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Glu Phe His Asp Phe Asp Gln Pro Leu Pro Asp Leu Asp Asp Ile Asp	
115 120 125	
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Val Ala Gln Gln Phe Ser Leu Asn Gln Ser Arg Val Glu Glu Ile Thr	
130 135 140	
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Gly Asp Phe Gly Met Asp Asp Arg Glu Ile Met Arg Glu Gly Ser Ala	
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Phe Glu Asp Asp Asp Met Leu Val Ser Thr Thr Thr Ser Asn Leu Leu	
180 185 190	
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Leu Glu Ser Glu Gln Ser Thr Ser Asn Leu Asn Glu Lys Ile Asn His	
195 200 205	
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Leu Glu Tyr Glu Asp Gln Tyr Lys Asp Asp Asn Phe Gly Glu Gly Asn	
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Asp Gly Gly Ile Leu Asp Asp Lys Leu Ile Ser Asn Asn Asp Gly Gly	
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Ile Phe Asp Asp Pro Pro Ala Leu Ser Glu Ala Gly Val Met Leu Pro	
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Glu Gln Pro Ala His Asp Asp Met Asp Glu Asp Asp Asn Val Ser Met	
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Gly Gly Pro Asp Ser Pro Asp Ser Val Asp Pro Val Glu Pro Met Pro	
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Thr Met Thr Asp Gln Thr Thr Leu Val Pro Asn Glu Glu Glu Ala Phe	
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Ala Leu Glu Pro Ile Asp Ile Thr Val Lys Glu Thr Lys Ala Lys Arg	
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Lys Arg Lys Leu Ile Val Asp Ser Val Lys Glu Leu Asp Ser Lys Thr	
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Ile Arg Ala Gln Leu Ser Asp Tyr Ser Asp Ile Val Thr Thr Leu Asp	
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Leu Ala Pro Pro Thr Lys Lys Leu Met Met Trp Lys Glu Thr Gly Gly	
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Val Glu Lys Leu Phe Ser Leu Pro Ala Gln Pro Leu Trp Asn Asn Arg	
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Leu Leu Lys Leu Phe Thr Arg Cys Leu Thr Pro Leu Val Pro Glu Asp	
385 390 395 400	
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Leu Arg Lys Arg Arg Lys Gly Gly Glu Ala Asp Asn Leu Asp Glu Phe	
405 410 415	
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Gln His Gln Gln Arg Asp Val Ile Asp Glu Pro Ile Ile Glu Glu Pro	
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Ser Arg Leu Gln Glu Ser Val Met Glu Ala Ser Arg Thr Asn Ile Asp	
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Glu Ser Ala Met Pro Pro Pro Pro Pro Gln Gly Val Lys Arg Lys Ala	
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Gly Gln Ile Asp Pro Glu Pro Val Met Pro Pro Gln Gln Val Glu Gln	
485 490 495	

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Cys Gln Leu Ile Pro Glu Leu Glu Leu Leu Pro Glu Lys Glu Lys Glu
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aaa gag aag gaa aaa gaa gat gat gaa gag gaa gag gat gaa gat gca 1632
Lys Glu Lys Glu Lys Glu Asp Asp Glu Glu Glu Glu Asp Glu Asp Ala
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tca ggg ggc gat caa gat cag gaa gaa aga aga tgg aac aaa agg act 1680
Ser Gly Gly Asp Gln Asp Gln Glu Glu Arg Arg Trp Asn Lys Arg Thr
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cag cag atg ctt cat ggt ctt cag cgt gct ctt gct aaa act gga gct 1728
Gln Gln Met Leu His Gly Leu Gln Arg Ala Leu Ala Lys Thr Gly Ala
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gaa tct atc agt ttg ctt gag tta tgt cga aat acg aac aga aaa caa 1776
Glu Ser Ile Ser Leu Leu Glu Leu Cys Arg Asn Thr Asn Arg Lys Gln
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gct gcc gca aag ttc tac agc ttc ttg gtt ctt aaa aag cag caa gct 1824
Ala Ala Ala Lys Phe Tyr Ser Phe Leu Val Leu Lys Lys Gln Gln Ala
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att gag ctg aca cag gaa gaa ccg tac agt gac atc atc gca aca cct 1872
Ile Glu Leu Thr Gln Glu Glu Pro Tyr Ser Asp Ile Ile Ala Thr Pro
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gga cca agg ttc cat att ata taa 1896
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Phe Glu Cys Asn Leu Glu Ser Ser Val Glu Ser Ile Ile Ser Pro Lys
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Arg Ile Tyr His Arg Lys Ala Lys Tyr Leu Leu Ala Asp Cys Asn Glu
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 Val Ala Gln Gln Phe Ser Leu Asn Gln Ser Arg Val Glu Glu Ile Thr
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 Gly Asp Phe Gly Met Asp Asp Arg Glu Ile Met Arg Glu Gly Ser Ala
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 Asp Gly Gly Ile Leu Asp Asp Lys Leu Ile Ser Asn Asn Asp Gly Gly
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 Gly Gly Pro Asp Ser Pro Asp Ser Val Asp Pro Val Glu Pro Met Pro
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 305 310 315 320
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 325 330 335
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 370 375 380

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 Cys Gln Leu Ile Pro Glu Leu Glu Leu Leu Pro Glu Lys Glu Lys Glu
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